

70871-23

5/20/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

BOB MACDONALD
Agent for INHOLD, LLC
SCIENTIFIC & REGULATORY CONSULTANTS, INC
PO Box 1014
COLUMBIA CITY, Indiana 46725

MAY 20 2013

BIOSHIELD® AM 500
EPA Registration Number: 70871-23
Application Dated: February 22, 2013
Receipt Date: February 25, 2013

Dear Mr. MacDonald:

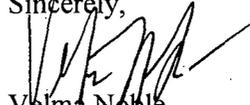
The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

- Labeling amendment to delete certain application methods as prescribed in EPA letter dated January 25, 2013

General Comments

A stamped copy of the accepted labeling is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling. Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0199 or Velma Noble at (703) 308-6233.

Sincerely,



Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

Attachment: Stamped Label

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

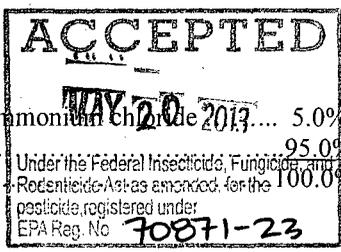
BIOSHIELD® AM 500
MICROBIOSTATIC AGENT*

A Silicone Quaternary Ammonium Salt

KEEP OUT OF REACH OF CHILDREN

WARNING

Active Ingredient: Octadecylaminodimethyltriethoxysilyl propyl ammonium chloride... 5.0%
Other Ingredients: 95.0%
Total Ingredients: 100.0%



EPA Reg. No. 70871-23

EPA Est. No. XXXXX

Net Contents: 32 fluid oz.; 1, 5, 30, 55, 275 gal.

Lot No.

* An microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae. This product does not protect users or others against food-borne or disease-causing bacteria of fungi.

Do not use in any application involving direct or indirect food or drinking water contact.

Note: {Bracketed Text} is for administrative purposes only and will not appear on the printed label.

FIRST AID	
Have the product container or label with you when calling the poison control center or doctor, or going for treatment.	
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible.• Call poison control center or doctor for further treatment advice.
IF ON SKIN:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through the skin or inhaled. Do not get in eyes or on clothing. Avoid contact with skin and avoid breathing vapors or spray mist. Wear protective eyewear (goggles, face shield or safety glasses). Wash thoroughly with soap and water after handling and before eating drinking, chewing gum or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and Industrial uses: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

De-activation required during clean up if a spill occurs. De-activation of BIOSHIELD AM 500 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of BIOSHIELD AM 500.

Homeowner use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal:

{Commercial/industrial use}

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

{Residential use}

Wastes resulting from the use of this product may be disposed of on site.

Container Disposal: Nonrefillable container. Do not reuse or refill this container, Triple rinse or pressure rinse container (or equivalent) promptly after emptying

{Insert applicable triple rinse instructions for container size below}

{5 gal or less}

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

{More than 5 gal}

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and

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forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Then offer for recycling if available, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

Approved commercial and industrial applications

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solutions by simply adding BIOSHIELD AM 500 to solvent and stirring. Dilute BIOSHIELD AM 500 by adding 0.2 to 2 fluid ounces of AM 5000 per cup (3.2 to 32 fluid ounces of BIOSHIELD AM 500 per gallon) of water or other solvents (for example, alcohol and ketones) and then apply to organic or inorganic substrates by brushing, dipping, soaking, or spraying techniques to give a final treatment of 0.1 to 1 percent by weight active ingredient.

Dry substrates at temperatures from ambient to a maximum of 160°C (320°F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

BIOSHIELD AM 500 when used as a concrete additive is added directly during concrete preparation. Use 6 fluid ounces BIOSHIELD AM 500 per cubic feet of concrete. Add to water before addition of concrete. Addition of BIOSHIELD AM 500 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

BIOSHIELD AM 500 when used as an additive for paints and coatings is added directly during preparation of the paint and coating. Use 5 pounds of BIOSHIELD AM 500 per 100 pounds of paint or coating (or 1 pound BIOSHIELD AM 500 per 20 pounds paint/coating). The addition of the antimicrobial agent (BIOSHIELD AM 500) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. BIOSHIELD AM 500 inhibits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

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Approved commercial and industrial applications

The active ingredient in BIOSHIELD AM 500 is effective against odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae as a static agent. BIOSHIELD AM 500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewer structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- BIOSHIELD AM 500 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxane, amino resins, textile coatings, extrusion coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinyl ester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- Polyurethane and cellulose foam for household, industrial, and institutional mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, blends of the two fibers
- Toilet tank and seat covers

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- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticidal properties
- Women's hosiery
- Women's intimate apparel

DIRECTIONS FOR USE

Approved commercial applications used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of BIOSHIELD AM 500 per gallon of water (2 oz. per quart; 1 oz. per pint). Using pump sprayer, spray entire area 4" – 6" from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. BIOSHIELD AM 500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more BIOSHIELD AM 500 may be required due to absorption. A fan may be used to assist in drying carpeting.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers) dilute 8 ounces of BIOSHIELD AM 500 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. BIOSHIELD AM 500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more BIOSHIELD AM 500 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpeting.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BIOSHIELD AM 500 solution to completely submerge item. Dilute 8 ounces of BIOSHIELD AM 500 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperatures or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary,

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reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

**Approved commercial applications in homes, offices, automobiles and the following institutions:
schools, hospitals, daycare centers, banks, churches, correctional facilities**

The active ingredient in BIOSHIELD AM 500 is effective against odor causing bacteria and fungi (mold and mildew), bacteria and fungi (mold and mildew) which cause staining and discoloration, and algae as a static agent. BIOSHIELD AM 500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Polyurethane and cellulose foam for household, industrial, and institutional mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes
- Athletic and casual shoes
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs
- Toweling made of 100 percent cotton, 100 percent polyester, blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops, the wiping cloths do not impart pesticidal properties

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- Women's hosiery
- Women's intimate apparel

DIRECTIONS FOR USE
For homeowner applications

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

Approved homeowner uses

The active ingredient in BIOSHIELD AM 500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. BIOSHIELD AM 500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). BIOSHIELD AM 500 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	DIP/SOAK: Dilute BIOSHIELD AM 500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BIOSHIELD AM 500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Drying may be attained by dripping dry or wringing excess liquid treated item. For larger items (e.g., bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example in a clothes dryer). If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.

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			<p>SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply AM 5000 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.</p>
	Pest controlled	Dilution Rate	Method of Application
<p>Air filters and air filter material for</p> <ul style="list-style-type: none"> • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums 	<p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. When treating filters, removed filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return.</p>
	Pest controlled	Dilution Rate	Method of Application
<p>Carpeting</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted BIOSHIELD AM 500 solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test for staining and color-fastness of carpets by treating and drying a small, concealed area prior to application. BIOSHIELD AM 500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g. wool carpeting), more BIOSHIELD AM 500 may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated</p>

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			areas until completely dried. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, rayon or wool.	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabric by treating and drying a small, concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Tents, tarpaulins, sails, ropes	Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae.	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" – 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabric by treating and drying a small, concealed area prior to application. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return. DIP/SOAK: Dilute BIOSHIELD AM 500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough BIOSHIELD AM 500 solution to completely submerge item. Keep item in solution for three minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric by treating and

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			drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example in a clothes dryer). Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	Dilution Rate	Method of Application
Roofing materials (such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior wall (such as stone, concrete, brick)	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew) and algae.	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Make sure the roof or wall is clean prior to application. Using a pressure sprayer, spray the entire surface area 6"-12" from the surface making sure the surface is completely covered. After applying the dilute solution of BIOSHIELD AM 500, let stand until dry. BIOSHIELD AM 500 treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	Dilution Rate	Method of Application
Buffer pads (polishing and abrasive), Polyurethane and cellulose foam for household mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" - 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	Dilution Rate	Method of Application
Tubs, glazed tiles, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute BIOSHIELD AM 500 in water; mix well. Using a trigger pump sprayer, spray the entire surface area 4" - 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If

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(exterior), fiberglass, formica, glazed tiles, glazed porcelain, synthetic marble, plastic, vinyl.	mildew)		necessary, reapply BIOSHIELD AM 500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
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MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR BIOSHIELD AM 500 is an antimicrobial agent effective against odor causing bacteria.

BIOSHIELD AM 500 is an antimicrobial agent effective against bacteria which cause staining and discoloration.

BIOSHIELD AM 500 is an antimicrobial agent effective against fungi (mold and mildew).

BIOSHIELD AM 500 is an antimicrobial agent effective against algae.

BIOSHIELD AM 500, an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen.

Bacteriostatic, fungistatic (mold and mildew), algaestatic.

BIOSHIELD AM 500, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

BIOSHIELD AM 500, an antimicrobial agent, inhibits the growth of odor causing bacteria.

Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.

Effective on modern hard non-porous washable surfaces made of fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.

Imparts microbiostatic properties.

Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).

Unscented.

Use on carpet and upholstery to inhibit the growth of odor causing bacteria.

Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.

Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).

Use on carpet and upholstery to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria.

Provides an invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.

Provides an invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).

Provides an invisible microbiostatic coating to inhibit the growth of algae.

Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae.

Prevents deterioration caused by bacteria and fungi (mold and mildew).

Inhibits deterioration caused by bacteria.

Resists development of microbial odors.

Resists development of stains and discoloration due to bacteria.

Resists development of stains due to fungi (mold and mildew).

Resists stains due to algae.

Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria.

Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.

Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).

Provides/creates an invisible barrier to inhibit the growth of algae.

Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae.

Note: Any claims for paint use must be for the preservative of the paint in the can. BIOSHIELD AM 500 is to be used as an in can preservative for paints to control the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew) and algae.

Note: {Bracketed Text} is for administrative purposes only and will not appear on the printed label.

FOR MORE INFORMATION CONCERNING THIS PRODUCT, PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET (MSDS). THE MSDS CAN BE OBTAINED BY WRITING:

INHOLD, LLC
2319 Joe Brown Drive
Greensboro, NC 27405
(336) 375-7555

IMPORTANT: WARRANTY AND DISCLAIMER INFORMATION

INHOLD, LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in this bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.

INHOLD, LLC SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.